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TO: Commissioner of Patents

FAX NO.: 703-872-9306

FROM: Gregory C. Ranieri

DATE: DEC. 1, 2004

MATTER: Serial No. 09/687,348 Filed: 10/12/00

DOCKET NO.: Nagarajan 16-13-2 (Nagjan16)

APPLICANT: Nagarajan

The following has been received in the U.S. Patent and Trademark Office on the date of this facsimile:

<input type="checkbox"/> Petition	<input checked="" type="checkbox"/> Transmittal Letter (2 copies)
<input type="checkbox"/> Disclosure Statement & PTO-1449	<input checked="" type="checkbox"/> Fee Transmittal (2 copies)
<input type="checkbox"/> Priority Document	<input checked="" type="checkbox"/> Deposit Account Transaction
<input type="checkbox"/> Drawings ( <u>    </u> sheets) informal	<input checked="" type="checkbox"/> Facsimile Transmission Certificate
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CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. §1.8

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G. C. RANIERI

Name of person signing this certificate

Gregory C. Ranieri 12/1/04  
Signature and date

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PTO/SB/21 (04-04)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/687,348	
	Filing Date	October 12, 2000	
	First Named Inventor	Nagarajan	
	Art Unit	2663	
	Examiner Name	Chi Ho A. Lee	
Total Number of Pages in This Submission	11	Attorney Docket Number	Nagarajan 16-13-2

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply (15 pgs.) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="text-align: center;">Facsimile Transmission Sheet</div>
<div style="border: 1px solid black; width: 150px; margin: 5px auto; padding: 2px;">Remarks</div>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Gregory C. Ranieri, Reg. No. 29,895 Moser, Patterson & Sheridan, LLP
Signature	<i>Gregory C. Ranieri</i>
Date	Dec. 1, 2004

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Typed or printed name	G. C. RANIERI		
Signature	<i>G. C. Ranieri</i>	Date	DEC. 1, 2004

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PTO/SB/21 (04-04)

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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/687,348	
	Filing Date	October 12, 2000	
	First Named Inventor	Nagarajan	
	Art Unit	2663	
	Examiner Name	Chi Ho A. Lee	
Total Number of Pages In This Submission	21	Attorney Docket Number	Nagarajan 16-13-2

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Reply (15 pgs.)  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) ____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> <p style="text-align: center;">Facsimile Transmission Sheet</p>
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Gregory C. Ranieri, Reg. No. 29,695 Moser, Patterson & Sheridan, LLP
Signature	<i>Gregory C. Ranieri</i>
Date	Dec. 1, 2004

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Typed or printed name	G. C. RANIERI	Date	DEC. 1, 2004
Signature	<i>G. C. Ranieri</i>		

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PTO/SB/17 (10-04v2)  
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 980

### Complete if Known

Application Number	09/687,348
Filing Date	October 12, 2000
First Named Inventor	Nagarajan
Examiner Name	Chi Ho A. Lee
Art Unit	2863
Attorney Docket No.	Nagarajan 16-13-2

### METHOD OF PAYMENT (check all that apply)

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### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	780	2001	385	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	780	2004	385	Reissue filing fee	
1005	180	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 7 -20 \*\* = 0 X Fee from below = 0  
Independent Claims 1 -3 \*\* = 0 X Fee from below = 0  
Multiple Dependent X Fee from below = 0

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	44	Independent claims in excess of 3	
1203	300	2203	150	Multiple dependent claim, if not paid	
1204	88	2204	44	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2)

(\$ 0)

\*\*or number previously paid, if greater. For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	2053	65	Non-English specification	
1812	2,520	2812	1,260	For filing a request for ex parte reexamination	
1804	920*	2804	460*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	2805	920*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	880	2253	440	Extension for reply within third month	980
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1401	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	2451	755	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	680	2503	340	Plant issue fee	
1450	130	2450	65	Petitions to the Commissioner	
1807	50	2807	25	Processing fee under 37 CFR 1.17 (q)	
1808	180	2808	90	Submission of Information Disclosure Stmt	
8021	40	2821	20	Recording each patent assignment per property (times number of properties)	
1809	780	2809	390	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	780	2810	390	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	780	2801	390	Request for Continued Examination (RCE)	
1802	800	2802	400	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 980)

### SUBMITTED BY

Name (Print/Type)	Gregory C. Ranieri	Registration No. (Attorney/Agent)	29,885	Telephone	(732) 530-9404
Signature	<i>Gregory C. Ranieri</i>	Date	DEC. 1, 2004		

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PTO/SB/17 (10-04v2)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 980**Complete if Known**

Application Number	09/687,348
Filing Date	October 12, 2000
First Named Inventor	Nagarejan
Examiner Name	Chi Ho A. Lee
Art Unit	2683
Attorney Docket No.	Nagarejan 18-13-2

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number  
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☒ Charge any additional fee(s) or any underpayment of fee(s)  
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**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 780	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1)**

(\$ 0)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
7	-20 **	0	0
1	-3 **	0	0
			0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 44	Independent claims in excess of 3	
1203 300	2203 150	Multiple dependent claim, if not paid	
1204 88	2204 44	** Reissue independent claims over original patent	
1205 16	2205 9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)**

(\$ 0)

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or osth	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1261 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 990	2253 480	Extension for reply within third month	980
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	2451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or release)	
1502 480	2502 245	Design issue fee	
1503 680	2503 330	Plant issue fee	
1480 130	2480 130	Petitions to the Commissioner	
1807 50	2807 50	Processing fee under 37 CFR 1.17 (q)	
1808 180	2808 180	Submission of Information Disclosure Stmt	
9021 40	2821 40	Recording each patent assignment per property (times number of properties)	
1809 780	2809 395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801 780	2801 385	Request for Continued Examination (RCE)	
1802 900	2802 800	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

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**SUBTOTAL (3)** (\$ 980)**SUBMITTED BY**

Name (Print/Type)	Gregory C. Rayner	Registration No. (Attorney/Agent)	29,685	Telephone	(732) 530-9404
Signature	Gregory C. Rayner			Date	DEC. 1, 2004

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**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**PATENT APPLICATION**

**Applicant: Ramesh Nagarajan Case: Nagarajan 16-13-2**  
**Serial No.: 09/687,348 Filed: October 12, 2000**  
**Examiner: Chi Ho A Lee Group Art Unit: 2663**  
**Confirmation No: 9948**  
**Title: DATA COMMUNICATIONS NETWORKS WITH HIGH PERFORMANCE  
AND RELIABILITY**

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
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**RESPONSE UNDER 37 C.F.R. §1.111**

**S I R:**

In response to the Office Action dated June 1, 2004 (Paper No. 3), please amend the above-identified patent application as follows:

**Amendments to the Claims** begin on page 2 of this paper; and  
**Remarks** begin on page 9 of this paper.

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